

DERWENT-ACC-NO: 1999-334404

DERWENT-WEEK: 199928

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TITLE: Heat processing system for prefabricated cable  
connection structure for cross linked  
polyethylene power cable - softens surface of insulating film by  
heating portion of insulating film using light radiated  
from heat generation lamp via concave mirror

PATENT-ASSIGNEE: MITSUBISHI CABLE IND LTD[DAIE]

PRIORITY-DATA: 1997JP-0294889 (October 13, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 11122793 A	April 30, 1999	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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JP 11122793A	N/A	1997JP-0294889
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INT-CL (IPC): H02G001/14, H02G015/08

ABSTRACTED-PUB-NO: JP 11122793A

BASIC-ABSTRACT:

NOVELTY - A portion of insulating film (4) is heated by radiating light from a heat generation lamp (22) via a concave mirror (23), such that surface of the insulating film is softened.

USE - For **cross linked polyethylene** power cable used in high voltage **transmission lines**.

ADVANTAGE - After heating and molding the insulating surface, it is cooled

effectively thus shortens necessary cooling time. Roughness of the cable insulator surface is eliminated thus operation efficiency is raised. As gap is not formed between insulating film capability of an insulating film is made satisfactory. DESCRIPTION OF DRAWING(S) - The figure shows the explanatory view of heat processing system. (4) Insulator; (21) Heating apparatus; (22) Heat generation lamp; (23) Concave mirror.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: HEAT PROCESS SYSTEM PREFABRICATED CABLE CONNECT  
STRUCTURE CROSS  
LINK POLYETHYLENE POWER CABLE SOFTEN SURFACE INSULATE  
FILM HEAT  
PORTION INSULATE FILM LIGHT RADIATE HEAT GENERATE LAMP  
CONCAVE  
MIRROR

DERWENT-CLASS: X12

EPI-CODES: X12-G01E; X12-G02C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1999-252034